BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE ADDITIONAL WORK, FURNITURE ETC IN WARD NO.05, BYATARAYANAPURA

MEASUREMENT SHEET

Second & Part Bill

Client: **Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064**

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No. 14		Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc.,complete as per specifications and directions of Engineer in charge of work.									
Measurement Taken on											
		Quantity Measured in 1st RA Bill						241.29			
		Present Bill Measurements									
		CC Camera Room									
			Sqm	2	1.81		3.45	12.49			
			Sqm	1	3.47		3.45	11.97			
		Deduction									
		Door	Sqm	-1	0.90		2.30	-2.07			
		Window	Sqm	-1	1.20		1.20	-1.44			
							Total Executed Quantity	262.24			
							Tender Quantity	244.20			
							Quantity Upto 125%	262.24			
							DPC Quantity Paid in 1st RA Bill	241.29			
							Now to be Paid Quantity				
							Quantity Upto 125%	20.95	1113.38	23325.87	
Item No. 18		Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth finishing, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer in charge of work.									
Measurements taken on											
		Quantity Measured in 1st RA Bill						297.56			
		Present Bill Measurements									
		SSM above Ground Level									
			Sqm	2	2.63		0.35	1.84			
			Sqm	2	14		0.60	16.80			
			Sqm	2	8.815		0.60	10.58			
		Top Surface									
			Sqm	1	2.63	0.5		1.32			
			Sqm	1	14	0.5		7.00			
			Sqm	1	8.815	0.48		4.23			
		CC Camera Room									
			Sqm	2	2.11		3.45	14.56			
			Sqm	1	4.77		3.45	16.46			
		Deduction									
		Door	Sqm	-1	0.9		2.3	-2.07			
		Window	Sqm	-1	1.2		1.2	-1.44			

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NAME OF WORK:- CONSTRUCTION OF WARD OFFICE ADDITIONAL WORK, FURNITURE ETC IN WARD NO.05, BYATARAYANAPURA

MEASUREMENT SHEET

Second & Part Bill

Client Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
		Compound Wall	Sqm	1	11.9		2.27	27.01			
								Total Executed Quantity	**393.84**		
								Tender Quantity	**278.31**		
								Quantity Upto 125%	**347.89**		
								Quantity Above 125%	**45.95**		
								DPQ Quantity Paid in 1st RA Bill	**297.56**		
								Now to be Paid Quantity			
								Quantity upto 125%	**50.33**	**323.13**	**16262.97**
								Quantity Above 125%	**45.95**	**295.92**	**13598.66**
Item No. 20		Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer incharge of work.									
Measurement Taken on											
		Quantity Measured in 1st RA Bill						**468.44**			
		Present Bill Measurements									
		CC Camera Room									
			Sqm	2	1.81		3.45	12.49			
			Sqm	1	3.47		3.45	11.97			
		Deduction									
		Door	Sqm	-1	0.9		2.3	-2.07			
		Window	Sqm	-1	1.2		1.2	-1.44			
								Total Executed Quantity	**489.39**		
								Tender Quantity	**501.87**		
								DPQ Quantity Paid in 1st RA Bill	**468.44**		
								Now to be Paid Quantity	**20.95**	**244.90**	**5130.78**
Item No. 23		Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer incharge of work.									
Measurement Taken on											
		Quantity Measured in 1st RA Bill						**386.48**			
		Present Bill Measurements									
		CC Camera Room	Sqm	1	1.81	3.47		6.28			
								Total Executed Quantity	**392.76**		
								Tender Quantity	**384.10**		
								Quantity Upto 125%	**392.76**		
								DPQ Quantity Paid in 1st RA Bill	**386.48**		
								Now to be Paid Quantity			
								Quantity Upto 125%	**6.28**	**268.71**	**1687.69**

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NAME OF WORK:- CONSTRUCTION OF WARD OFFICE ADDITIONAL WORK, FURNITURE ETC IN WARD NO.05, BYATARAYANAPURA

MEASUREMENT SHEET

Second & Part Bill

Client Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No. 25		Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. complete as per specifications and directions of Engineer incharge of work.									
Measurement Taken on											
		Quantity Measured in 1st RA Bill						873.85			
		Present Bill Measurements									
		CC Camera Room									
			Sqm	2	1.81		3.45	12.49			
			Sqm	1	3.47		3.45	11.97			
		Celing	Sqm	1	1.81	3.47		6.28			
		Deduction									
		Door	Sqm	-1	0.9		2.3	-2.07			
		Window	Sqm	-1	1.2		1.2	-1.44			
							Total Executed Quantity	901.08			
							Tender Quantity	977.49			
							DPQ Quantity Paid in 1st RA Bill	873.85			
							Now to be Paid Quantity	27.23	88.44	2408.33	
Item No. 26		Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications and directions of Engineer incharge of work.									
Measurement Taken on											
		Quantity Measured in 1st RA Bill						457.14			
		Present Bill Measurements									
		CC Camera Room									
			Sqm	2	1.81		3.45	12.49			
			Sqm	1	3.47		3.45	11.97			
		Deduction									
		Door	Sqm	-1	0.9		2.3	-2.07			
		Window	Sqm	-1	1.2		1.2	-1.44			
							Total Executed Quantity	478.09			
							Tender Quantity	561.57			
							DPQ Quantity Paid in 1st RA Bill	457.14			
							Now to be Paid Quantity	20.95	102.04	2137.79	

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MEASUREMENT SHEET

Second & Part Bill

Client Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
		Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 . KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roofcomplete as per specifications and directions of Engineer incharge of work.									
		Item No. 27									
		Measurement Taken on									
		Quantity Measured in 1st RA Bill						416.71			
		Present Bill Measurements									
		CC Camera Room	Sqm	1	1.81	3.47		6.28			
							Total Executed Quantity	422.99			
							Tender Quantity	415.92			
							Quantity Upto 125%	422.99			
							DPQ Quantity Paid in 1st RA Bill	416.71			
							Now to be Paid Quantity				
							Quantity Upto 125%	6.28	133.79	840.29	
		Item No. 28									
		Measurement Taken on									
		Quantity Measured in 1st RA Bill						299.36			
		Present Bill Measurements									
		CC Camera Room									
			Sqm	2	2.11		3.45	14.56			
			Sqm	1	4.77		3.45	16.46			
		Deduction									
		Door	Sqm	-1	0.9		2.3	-2.07			
		Window	Sqm	-1	1.2		1.2	-1.44			
							Total Executed Quantity	326.86			
							Tender Quantity	298.83			
							Quantity Upto 125%	326.86			
							DPQ Quantity Paid in 1st RA Bill	299.36			
							Now to be Paid Quantity				
							Quantity Upto 125%	27.51	403.63	11102.04	

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MEASUREMENT SHEET

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Client	Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064									
Chainage in m	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From To										
Item No. 30	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing,complete as per specifications and directions of Engineer incharge of work.									
Measurement Taken on										
	Quantity Measured in 1st RA Bill						370.14			
	Present Bill Measurements									
	CC Camera Room	Sqm	1	1.81	3.47		6.28			
						Total Executed Quantity	376.42			
						Tender Quantity	363.60			
						Quantity Upto 125%	376.42			
						DPQ Quantity Paid in 1st RA Bill	370.14			
						Now to be Paid Quantity				
						Quantity Upto 125%	6.28	719.95	4521.79	
Item No. 51	Fabricating, providing and erecting in position Hot dip galvanized Gate. Using 72x72x4.8 mm Sq. G I Pipe Frame with top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanized sq.rod for verticals at 150mm c/c , as shown in the drawing including providing hot do galvanized forged ornamental design in between rods and heads at top, middle and bottom. Intermediate supports of 75x12mm and 50x6mm arch bent to hot dip galvanized flats.The work is inclusive of throughing GI, Flat GI Sqm. rods, placing, welding all the joints including grinding, finishing metal patty, painting two coats enamel painting. The rate is inclusive of all materials Like GI Sq. GI Pipe, GI Forged designs etc., heavy duty hinges are made out of 75mm sold sq. block assembled with 20mm du bearing in three places for each flop. Heavy duty locking arrangement of low places including cost of labour, painting, erection charges using hoist pulley cranes, with all lead and lift, loading, trasportation, unloading, scaffolding charges and all other complete as per specifications and directions of Engineer incharge of work.									
Measurement Taken on										
	Gate - 1	Sqm	1	3.7		2.39	8.82			
	Gate - 2	Sqm	1	1.4		2.32	3.25			
						Total Executed Quantity	12.07			
						Tender Quantity	8.16			
						Quantity Upto 125%	10.20			
						Quantity Above 125%	1.87			
						Now to be Paid Quantity				
						Quantity upto 125%	10.20	13096.29	133582.16	
						Quantity Above 125%	1.87	13096.29	24522.80	

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Client Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
E3		Fabricating, providing and erecting in position of MS. Hot dip galvanized Sq Hallow Poles of 132*132 Heavy gauge of length 3000mm with MS. Hot dip galvanized grill work as per approved design and drawing of chief architect. Using 12*65mm galvanized flat for alround frame and 20mm*20mm galvanized forged design with square for vertical at 150mm C/C as shown in the drawing including providing forged omamenttal arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placiing welding all the joints, including grinding, finishing 2 coats of anti corrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS Hallow galvanized pipe, flat, forged square rods, coat of labour for all items of work cost painting, welding, Cutting, grinding with all lead and lift as per specification including loading with cost and conveyance of all materials, labour machinery and incidental charges for the successful complete of the work as per the direction Engineer-in-charge of the work.									
Measurement Taken on											
		Compound Wall									
			Sqm	1	2.02		1.90	3.84			
			Sqm	1	3.23		1.90	6.14			
			Sqm	1	3.65		1.87	6.83			
			Sqm	1	3.66		1.88	6.88			
			Sqm	1	3.45		1.90	6.55			
			Sqm	1	3.47		1.90	6.59			
			Sqm	1	3.45		1.90	6.56			
			Sqm	1	0.97		1.90	1.83			
							Total Executed Quantity	**45.21**	**16408.37**	**741794.69**	
E4		Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer including cost of materials ,labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.									
Measurement Taken on											
			Sqm	2	1.45		2.10	6.09			
							Total Executed Quantity	**6.09**	**7578.82**	**46155.02**	
E5		Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work In all kinds of soils Depth upto 3 m as per the direction of Engineer-In-Charge									
			Cum					11.45			
		Vide Total executed Quantity from premeasuremet Page no. 1									
							Total Executed Quantity	**11.45**			
							Now to be Paid Quantity	**11.45**	**84.30**	**965.24**	

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MEASUREMENT SHEET

Second & Part Bill

Client		Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064									
Chainage in m		Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To										
	E6	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 2						**2.29**			
		Total Executed Quantity						**2.29**			
		Now to be Paid Quantity						**2.29**	**6614.58**	**15147.72**	
	E7	Providing and laying in position Reinforced cement concrete for all Sub tructures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite /trap /basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 3						**2.97**			
		Total Executed Quantity						**2.97**			
		Now to be Paid Quantity						**2.97**	**6790.11**	**20169.67**	
	E8	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)									
Measurement Taken on		19-11-2022									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 4						**9.16**			
		Above Ground Level									
			Cum	1	2.63	0.5	0.35	0.46			
			Cum	1	14	0.5	0.60	4.20			
			Cum	1	8.815	0.48	0.60	2.54			
		Deduction									
		Concrete For Poles	Cum	-7	0.45	0.48	0.45	-0.68			
		Total Executed Quantity						**15.68**			
		Now to be Paid Quantity						**15.68**	**6180.38**	**96900.80**	

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MEASUREMENT SHEET

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Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
	E9	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/ Kankar /Moorum. (Tipper 5.5 m3)									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 5						11.45			
		Total Executed Quantity						**11.45**			
		Now to be Paid Quantity						**11.45**	**136.26**	**1560.26**	
	E10	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km									
			t.km								
		Vide Total executed Quantity from premeasuremet Page no. 6						14.66			
		Total Executed Quantity						**14.66**			
		Now to be Paid Quantity						**14.66**	**110.86**	**1624.78**	
									Total Amount	**1163439.35**	
									18% GST	**209419.08**	
									Grand Total Amount	**1372858.43**	

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